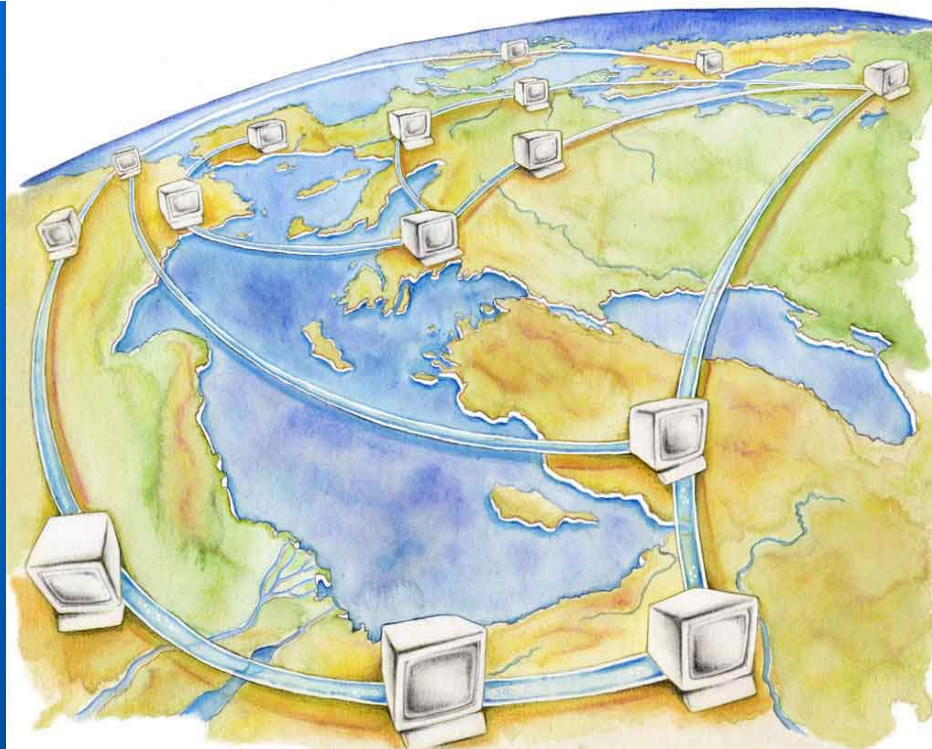


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Système Euro-
Méditerranéen
d'information sur les
savoir-faire dans le
domaine de l'Eau



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Euro-Mediterranean
Information System
on know how in the
water sector

النظام المعلوماتي الأورومتوسطي
للمعرفة في مجال المياه

Developing harmonized national water
information systems in the Mediterranean

Round table discussion

Eric MINO



DG ENV

EURO-MEDITERRANEAN PARTNERSHIP





Discussion outline

- Data availability and use/needs => data flows
- Existing and planned information systems
- Legal framework
- International obligations
- Potential synergies with existing/planned projects

1st Overview of data providers / users



	PWA	Utilities	EA	MoA	MoH	PCBS	PHG	Meteo
Surface water quantity	P					U		
groundwater quantity	P					U		
Water use	U	P		P		U		
water abstraction	P	U				U		
Climatology & rainfall	U							P
Evaporation /evapotranspiration				P				
Efluent quantities (UWWTP)	U	U	U			U		
Desalination	P					U		
Surface water quality	P		P		P			
Groundwater quality	P		P		p			
Efluent quality			P		P			
Land cover / use	P			p				
Population / industry / urban areas	U		P			P		
Irrigation / crops patterns				P				
Hydro network*	P		U	U	U			
Economic data, excl. Water sector	U			P		P		
Economic data water sector	P	p				U		
Grey literature	P							

*: (springs, dams, rivers, aquifers, wells, etc.)

provider

user



Legal framework

- **Interministerial coordination / strategic guidance for setting up NWIS**
 - National Water Council?
- **Dissemination of water / environmental information**
 - Restrictive law?
 - Specific obligation in terms of public information?
 - Information as a public good?



http://192.168.1.4/medwis/show_country_obligations?country=Palestinian Territory

Scarcity Private ... HP templates & images Euro-Mediterranean In... Sedna Système Euro-Méditer... http192.70.34.1948081s... EMWISSEMIDE Public ... p01

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National level Regional level Tools and guidance Themes

Mediterranean Water Data

Obligations per country

Reporting obligation	Legislative instrument	Report to	Next reporting	Deadline
Biennial general report, and report on the implementation of the Convention for the Protection of the Mediterranean Environment and the Coastal Region of the Mediterranean	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	n/a	2011-12-31
National Report on the technical implementation of the Dumping Protocol: Report on the disposal of wastes or other matter in terms of Articles 4, 5, 6, 8 and 9.	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	n/a	2011-12-31
National Report on the technical implementation of the Hazardous Wastes Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	n/a	2011-12-31
National Report on the technical implementation of the Land-based Sources Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	n/a	2011-12-31
National Report on the technical implementation of the Offshore Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	n/a	2011-12-31
National Report on the technical implementation of the Prevention and Emergency Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	n/a	2011-12-31
National Report on the technical implementation of the SPA & Biodiversity Protocol	Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean	MAP	n/a	2011-12-31

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WISE
Water Information System for Europe

European Commission



Reviewing the status of existing systems

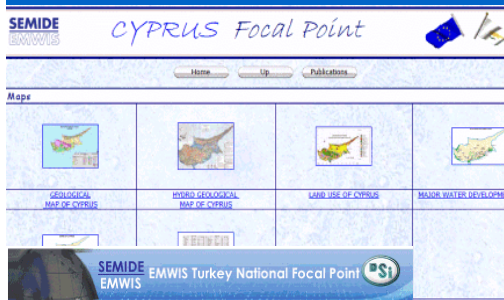
- Ministry of Agriculture
- Water utilities
- Environment Agency
- Central Bureau of Statistics
- Ministry of Health
- Ministry of Local Governorates
-



Potential synergies with existing or planned projects

- **UNICEF project on PWA water information system**
- **Exact - Water Databank**

Thank you for your attention



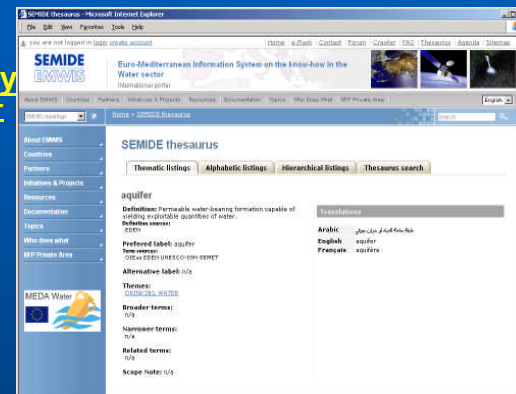
National portals



« who does what



Common taxonomy (multilingual water thesaurus)



www.semide.net

Thematic forums/folders

Ground water, water scarcity
Water glossaries, satellite images,
etc.



Clearing house for EU programs and initiatives

Regional water projects



Monthly eNews Flash in Arabic, English and French





Data sets on Hydrological environment

- **Hydrological networks (e.g. rivers, watersheds, lake, aquifers)**
- **Water management areas (e.g. drinking water protected areas, administrative management units, flood risk areas)**



Data sets on external references

- National, regional, local boundaries
- Population
- Public hydraulic domain
- Soil cartography
- Digital elevation model
- Land cover
- Land use
- Industry classification



Data sets on water availability

- Rainfall
- Surface water (rivers, dams, spings)
- Ground water
- Desalinated water
- Returned used water



Data sets on fresh water abstraction

- From surface water (for each type of use)
- From groundwater (for each type of use)
- Evaporation losses



Data sets on water use / needs

- **Fresh water supplied for**
 - Domestic
 - Industry
 - Services (Tourism)
 - Agriculture
 - Environment
- **Self supply**
- **Recycled water**
- **Desalinated water**



Data sets on water quality

(physical, chemical and/or biological)

- Surface water
- Ground water
- Industrial effluents
- Waste water treatment plants effluents
- Drinking water supply
- Wetlands
- Bathing waters



Pressures

- Urban agglomerations
- Discharge points
- Treatment plants
- Irrigation systems
- Dams
- Hydroelectric plants
- Industrial activities
- Farming